

## Air Monitoring Parameters

MOT_AIR_ParamCode	MOT_Monitor Name	Parameter	Units	Notes
42101	CO Trace Level	Carbon Monoxide (CO)	Parts per Million (ppm)	Average amount measured over a 1-hour period
42401	SO2 Trace Level	Sulfur Dioxide (SO2)	Parts per Billion (ppb)	Average amount measured over a 1-hour period
42406	SO2 Max 5 min	Highest 5-minute average Sulfur Dioxide (SO2)	Parts per Billion (ppb)	Highest 5-minute average measured in a 1-hour period
42600	NOy	Reactive Oxides of Nitrogen	Parts per Billion (ppb)	Average amount measured over a 1-hour period
42602	NO2	Nitrogen Dioxide (NO2)	Parts per Billion (ppb)	Average amount measured over a 1-hour period
42603	NOx	Oxides of Nitrogen	Parts per Billion (ppb)	Average amount measured over a 1-hour period
44201	Ozone	Ozone (O3)	Parts per Million (ppm)	Average amount measured over a 1-hour period
44201	8 HR Ozone	Ozone (O3)	Parts per Million (ppm)	Average amount measured over an 8-hour period
61103	Wind Speed V	Wind Speed	Miles per Hour (mph)	
61104	Wind Direction V	Wind Direction	Degrees	(North=0, East=90, South=180, West=270)
62101	AQS Temp Deg C	Air Temperature	Degrees Celsius	
62201	RH	Relative Humidity	Percent	
84313	BC 880	Black Carbon Particulates (PM2.5)	Micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) (25 C)	Average amount measured over a 1-hour period
88101	PM2.5 5030i IN	Fine Particulate Matter (PM2.5)	Micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ )	Average amount measured over a 1-hour period

## NAAQS Air Quality Index

Value	1 Hr Ozone (ppm)	8 Hour Ozone (ppm)	Carbon Monoxide (CO) (ppm)	Sulfur Dioxide (SO <sub>2</sub> ) (ppb)	Reactive Oxides of Nitrogen (NO <sub>y</sub> )	Nitric Oxide (NO) (ppb)	Nitrogen Dioxide (NO <sub>2</sub> ) (ppb)	Nitrogen Oxides (NO <sub>x</sub> ) (ppb)	1 Hour Particulate Matter (PM <sub>2.5</sub> ) (µg/m <sup>3</sup> )	24 Hour Particulate Matter (PM <sub>2.5</sub> ) (µg/m <sup>3</sup> )
Good	#	0.000 - 0.054	0.0 - 4.4	0 - 35	#	#	0 - 53	#	#	0.0 - 12.0
Moderate	#	0.055 - 0.070	4.5 - 9.4	36 - 75	#	#	54 - 100	#	#	12.1 - 35.4
Unhealthy for Sensitive Groups	0.125 - 0.164	0.071 - 0.085	9.5 - 12.4	76 - 185	#	#	101 - 360	#	#	35.5 - 55.4
Unhealthy	0.165 - 0.204	0.086 - 0.105	12.5 - 15.4	186 - 304	#	#	361 - 649	#	#	55.5 - 150.4
Very Unhealthy	0.205 - 0.504	0.106 - 0.200	15.5 - 40.4	305 - 604	#	#	650 - 1249	#	#	150.5 - 250.4
Hazardous	0.505 +	.0200+	40.5 +	605 - 804	#	#	1250 - 1649	#	#	250.5 +

# Scale Not Established

## Air Quality Monitoring Network

Site	Latitude/Longitude	Ozone	SO2	CO	NO2	Particulates	Wind Speed	Wind Direction	Black Carbon	Temperature & Humidity
Brandywine	39.8172, -75.5639	X					X	X		
Bellefonte	39.7613, -75.4920	X	X							
MLK/Wilmington	39.7395, -75.5575	X	X	X	X	X	X	X	X	X
Route 9/Delaware City	39.5777, -75.6036		X			X	X	X		
Lums Pond	39.5513, -75.7320	X	X				X	X		
Killens Pond	38.9867, -75.5568	X				X	X	X		
Seaford	38.6539, -75.6106	X				X	X	X		
Lewes	38.7791, -75.1632	X	X				X	X		